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CONFIRMATION NO. FIRST NAMED INVENTOR ATTORNEY DOCKET NO. FILING DATE APPLICATION NO. NL 000359 Hermanus Leonardus Peek 06/25/2001 09/888,463 07/31/2002 7590 Corporate Paten Counsel U.S. Philips Corporation EXAMINER FOURSON III, GEORGE R 580 White Plains Road Tarrytown, NY 10591 PAPER NUMBER ART UNIT

2823
DATE MAILED: 07/31/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

		LATERIA MA
	Application No.	Applicant(s)
	09/888,463	PEEK ET AL.
Office Action Summary	Examiner	Art Unit
	George Fourson	2823
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply		
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status		
1) Responsive to communication(s) filed on	<b>_·</b>	
2a)☐ This action is <b>FINAL</b> . 2b)⊠ Thi	s action is non-final.	
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims		
4) Claim(s) <u>1-3</u> is/are pending in the application.		
4a) Of the above claim(s) is/are withdrawn from consideration.		
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>1-3</u> is/are rejected.		
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction and/or election requirement.		
Application Papers		
9) The specification is objected to by the Examiner.		
10)⊠ The drawing(s) filed on <u>25 June 2001</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.		
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).		
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.		
If approved, corrected drawings are required in reply to this Office action. 12)☐ The oath or declaration is objected to by the Examiner.		
Priority under 35 U.S.C. §§ 119 and 120		
13)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).		
a) ☐ All b) ☐ Some * c) ☒ None of:		
1.⊠ Certified copies of the priority documents have been received.		
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this National Stage		
application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.		
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).		
<ul> <li>a)          The translation of the foreign language provisional application has been received.     </li> <li>15)          Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.     </li> </ul>		
Attachment(s)		
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>5</u>.</li> </ol>		(PTO-413) Paper No(s) Patent Application (PTO-152)



Art Unit: 2823

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Hawkins et al.

Hawkins et al disclose formation of CCD image sensor including silicon nitride 16/silicon oxide 14 gate dielectric 20 and implantation through gate dielectric 20 to form regions 32.

Claims 2 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hawkins et al as applied to claim 1 above, and further in view of the following comments.

Hawkins et al does not disclose forming nitride layer 16 by LPCVD or the recited thickness range of nitride layer. The examiner takes official notice that formation of silicon nitride by LPCVD was known prior to applicant's invention. It would have been within the scope of one of ordinary skill in the art to combine the known process with that of Hawkins et al to enable formation of nitride layer 16.

One of ordinary skill in the art would have been motivated to arrive at applicant's recited thickness of the nitride film through routine experimentation to achieve desired device properties and desired device dimensions and associated device densities on the finished wafer.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist whose telephone number is (703) 308-0956. See MPEP 203.08.

7724, 3431 or 3432) for regular communications and (703)308-7382 for after final communications.

George Fourson
Primary Examiner
Art Unit 2823

GFourson July 29, 2002